Notice of Allowability	Application No.	Applicant(s)
	10/720,966	SONG ET AL.
	Examiner	Art Unit
	John S. Chu	1795
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in thi or other appropriate communic GHTS. This application is subj	s application. If not included
1. This communication is responsive to <u>9/26/07</u> .		
2. The allowed claim(s) is/are 22-26.		•
 Acknowledgment is made of a claim for foreign priority una)	been received. been received in Application Notes cuments have been received in of this communication to file a re	o this national stage application from the
noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent APPLICATION (PTO-152) which give	itted. Note the attached EXAMII	NER'S AMENDMENT or NOTICE OF
		ciaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		he Office action of
Identifying Indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the d	rawings in the front (not the back) of 121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIOLOGICAL MATERI. FOR THE DEPOSIT OF BIOLO	AL must be submitted. Note the GICAL MATERIAL.
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Attachment(s)		
1. Notice of References Cited (PTO-892)		nal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Sumn Paper No./Mai	I Date
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. Examiner's Amo	endment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Stat	tement of Reasons for Allowance
		John S. Chu Primary Examiner Art Unit: 1795

Application/Control Number: 10/720,966

Art Unit: 1795

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The claimed invention is drawn to the following:

22. (Previously presented): A negative photoresist composition with multireaction systems, comprising the following components as a uniform solution in an organic solvent:

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at least one unsaturated resin having a molecular weight in the range from 10,000 to 100,000 and an acid value between 70 and 150mgKOH/g, selected from the group consisting of homopolymers, copolymers, and combinations thereof, which the homopolymers and the copolymers are synthesized by at least one monomer selected from the group consisting of styrene, methyl styrene, acrylic acid, acrylate, methyl acrylic acid, methyl acrylate, vinyl ether, and combinations thereof;

at least one photoinitiator in an amount of 0.1 to 10 parts by weight, based on 100 parts by weight of the unsaturated resin, wherein the photoinitiator is selected from the group consisting of benzoin, benzoin alkyl ether, benzil ketals, acetophenones derivatives, benzophenone, 4,4'-dimethyl-amino-benzophenone, thioxanthones derivatives, morpholino-1-propanone, and combinations thereof:

at least one free radical reactive monomer in an amount of 0.1 to 100 parts by weight, wherein the free radical reactive monomer is selected from the group consisting of tetraethylene glycol diacrylate, tetraethylene glycol dimethacrylate, neopentylglycol diacrylate, polyethylene glycol diacrylate,

None of the prior art references of record disclose or render obvious the recited negative photoresist composition as recited above wherein the composition includes the claimed epoxy resin and resin hardener.

Accordingly, claims 22-26 are seen as allowable and passed to issue.

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Statement of Reasons for Allowance."

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2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Chu whose telephone number is (571) 272-1329. The examiner can normally be reached on Monday - Friday from 9:30 am to 6:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Cynthia Kelly, can be reached on (571) 272-1526

The fax phone number for the USPTO is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PMR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/John S. Chu/ Primary Examiner, Group 1700

J.Chu December 9, 2007